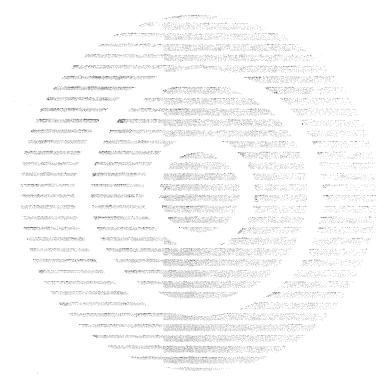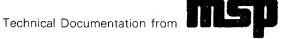# DATAMANAGER

4.1

Total Interface

DATAMANAGER SYNTAX SUMMARY (Release 4.1)

FOR TOTAL INTERFACE

This card contains the formats of TOTAL interface commands and member definitions implemented in DATAMANAGER Release 4.1.

For the full specifications of any command or member definition statement, reference should be made to the appropriate DATAMANAGER interface manual, together with current User Notices.

```
───────────────────────── SYNTAX NOTATION ─────────────────────────

 variable    shown in lower case      ⌠clause-1⌡    choice of one from
                                       ⌡clause-2⌠    many
 KEYWORD     shown in upper case
             with underscored         [clause]      optional clause
             truncation limit •
                                       . . .         optional repetition
 element     newly released syntax
             shown in color           member-name   may be coded in quotes
```

• Truncation limits may be affected if the User Defined Syntax Facility
  is installed.

Documentation order code: DMR-TOTC

For the address of your local MSP Product Supplier, see the card in the front of your MANAGER Products binder.

This document was developed and produced using MSP's TEXTMANAGER.

TOTAL Data Definitions

DATABASE

```
TOTAL-DATABASE

    CONTAINS file-name [, file-name] ...

    [SHARE-IOAREA  "name" [b] [, "name" [b]] ...]

    [TRACK-HOLD]

    [ ⌠LOGDD  "name"                                          ⌡ ]
      ⎢LOGSIZE m                                              ⎢
      ⎨LOGGING ⌠FILE name SIZE m [DEVICE device] [SYSNO n]⌡  ⎬
      ⎢         ⎩NONE                                      ⎭  ⎢
      ⌠                                                       ⌡

    [CTLX  ⌠NONE                        ⌡ ]
           ⎨YES                         ⎬
           ⎩DEVICE device [SYSNO n]⎭

    [JCL  ⌠YES⌡ ]
          ⎩NO ⎭

    [common-clauses]

⌠ ⌡
⎩ ⎭
```

MASTER FILE

```
FILE TOTAL MASTER

     CONTAINS content [, content] ...

     [CONTROL member-name]

     [CONTROL-INTERVAL n]

     [CONTROL-INTERVAL-SIZE n]

     [ACCESS-METHOD {BDAM}]
                    {VSAM}

     [LINKED-TO file-name [FOLLOWING {KEY }] LINK-NAME "xx"
                                     {DATA}

          [, file-name [FOLLOWING {KEY }] LINK-NAME "xx"] ...
                                  {DATA}

          [FOLLOWING {KEY }]]
                     {DATA}

     [DEVICE device]

     [TOTAL-LOGICAL-RECORDS n]

     [LOGICAL-RECORD-LENGTH n]

     [LOGICAL-RECORDS-PER-BLOCK n]

     [LOGICAL-BLOCKS-PER-TRACK n]

     [DISK-EXTENTS m]

     [RELATIVE-STARTING-TRACK n]

     [VTOC-TRACKS n]

     [CYLINDER-LOAD-LIMIT n]

     [OLD-FILE]

     [TOTAL-TRACKS n]

     [IOAREA "xxxx"]

     [common clauses]

{;}
{.}

content is:

     {item-name } [KNOWN-AS local-name]
     {group-name}
```

VARIABLE FILE

```
FILE TOTAL VARIABLE

    CONTAINS member-name [KNOWN-AS local-name]

          [, member-name [KNOWN-AS local-name]]...

          [, member-name ELSE member-name IF item-name = "aa"

              [ELSE member-name IF item-name = "aa"] ...]

    [CONTROL-INTERVAL n]

    [CONTROL-INTERVAL-SIZE n]

    [ACCESS-METHOD {BDAM}]
                   {VSAM}

    LINK member-name TO file-name [FOLLOWING {KEY }] LINK-NAME "xx"
                                            {DATA}

          [, member-name TO file-name [FOLLOWING {KEY }]
                                                {DATA}

              LINK-NAME "xx"] ...

          [FOLLOWING {KEY }]
                     {DATA}

    [DEVICE device]

    [TOTAL-LOGICAL-RECORDS n]

    [LOGICAL-RECORD-LENGTH n]

    [LOGICAL-RECORDS-PER-BLOCK n]

    [LOGICAL-BLOCKS-PER-TRACK n]

    [DISK-EXTENTS m]

    [RELATIVE-STARTING-TRACK n]

    [VTOC-TRACKS n]

    [CYLINDER-LOAD-LIMIT p]

    [OLD-FILE]

    [TOTAL-TRACKS n]

    [IOAREA "xxxx"]

    [common-clauses]

{;}
{.}
```

Common Clauses

```
Common clauses apply to all DATAMANAGER member types, that is to the
basic set (SYSTEM through ITEM and COMMAND-STREAM); to the Status
facility member type OBSOLETE-DEFINITION; to database-specific sets
(ADABAS, DL/I, IMS, IDMS, MARK IV, SYSTEM 2000/80, TOTAL); and to User
Defined sets (EDPS, SAS, SDS, user).  Keyword truncation limits depend
on the other keywords available in the member definition in which they
appear; the limits shown below are unambiguous in any TOTAL interface
member type.  Further truncation may be acceptable if the truncated
form remains unambiguous for the particular member type.
```

common-clauses is:

ACCESS-AUTHORITY "name" [{READ-ONLY / UPDATE / SECURITY-CONTROL}]

    [, "name" [{READ-ONLY / UPDATE / SECURITY-CONTROL}]] ...

ADMINISTRATIVE-DATA "string"

ALIAS [alias-type] "alias" [, [alias-type] "alias"] ...

CATALOGUE "classification" [, "classification"] ...

COMMENT "string"

DESCRIPTION "string"

EFFECTIVE-DATE date

FREQUENCY { frequency / {ACCESS / RUN / UPDATE / BACK-UP} frequency [{ACCESS / RUN / UPDATE / BACK-UP} frequency] ... }

NOTE "string"

OBSOLETE-DATE date

QUERY "string"

SECURITY-CLASSIFICATION "string" [FROM date] [, "string" [FROM date]] ...

SEE member-name [FOR "string"] [, member-name [FOR "string"]] ...

frequency is:

    [{MONTHLY / WEEKLY / DAILY / HOURLY}] [{number / "string"}]

TOTAL Interrogation

Database Member Types

database is:

```
┌TOTAL-DATABASES      ┐
│TOTAL-FILES          │
┤TOTAL-MASTER-FILES   ├
│TOTAL-VARIABLE-FILES │
└                     ┘
```

Interrogation via WHAT/WHICH

for the TOTAL interface the relation clause
of the WHAT/WHICH command becomes:

[DIRECTLY]

```
┌┌USES       ┐ member-name [form] [VIA ┌INPUTS      ┐]┐
││CONSTITUTES│                          │OUTPUTS     │ │
││           │                          │UPDATES     │ │
││           │                          │CONTAINS    │ │
││           │                          │CALLS       │ │
││           │                          │PASSING     │ │
││           │                          │PARAMETERS  │ │
││           │                          │SORT-KEYS   │ │
││           │                          ┤USER-LABELS ├ │
││           │                          │BOUND       │ │
││           │                          │KEYS        │ │
││           │                          │USER-EXIT   │ │
││           │                          │NAME        │ │
││           │                          │IF          │ │
││           │                          │SEE         │ │
┤│           │                          │CONTROL     │ ├
││           │                          └LINK        ┘ │
││┌INPUTS      ┐ member-name [form]                    │
│││OUTPUTS     │                                       │
│││UPDATES     │                                       │
│││CONTAINS    │                                       │
│││CALLS       │                                       │
│││PASSES      │                                       │
│││INPUT-BY    ├                                       │
│││OUTPUT-BY   │                                       │
│││UPDATED-BY  │                                       │
│││CONTAINED-BY│                                       │
│││CALLED-BY   │                                       │
││└PASSED-BY   ┘                                       │
└                                                      ┘
```

[DIRECTLY]

TOTAL Generation

PRODUCE TOTAL

```
PRODUCE  ⎧TOTAL-4⎫
         ⎨TOTAL-7⎬
         ⎩TOTAL-8⎭

    FROM member-name [AS library-name]

         [, member-name [AS library-name]] ...

    [⎧NOGROUPS ⎫]
     ⎩NO-GROUPS⎭

    [⎧ONTO file-name⎫ [⎧PARTITIONED                 ⎫]] [⎧PRINT   ⎫]
     ⎨NOGENERATION   ⎬  ⎩SEQUENTIAL ["control-card"]⎭      ⎨NOPRINT ⎬
     ⎩NO-GENERATION  ⎭                                     ⎩NO-PRINT⎭

    [GIVING output-form-1 [, output-form-1]] ...

    [OMITTING output-form-2 [, output-form-2]] ...

    [⎧WITH-ALIAS⎫ [⎧number    ⎫]]
     ⎩ALIAS     ⎭  ⎩alias-type⎭

    [⎧USE  ⎫ ⎧⎧ENTERED-AS ⎫ [VERSION version]⎫]
     ⎩USING⎭ ⎨⎨HELD-AS    ⎬                   ⎬
             ⎪⎩REPORTED-AS⎭                   ⎪
             ⎪                                ⎪
             ⎩DEFAULTED-AS                    ⎭

    [⎧REPLACE  ⎫ ⎧ALL     ⎫ WITH "string" [WHEN condition]] ...
     ⎩REPLACING⎭ ⎨[m] (p) ⎬
                 ⎩"string"⎭

    [DROPPING ⎧ALL     ⎫ [WHEN condition]] ...
              ⎨[m] (p) ⎬
              ⎩"string"⎭

    [INSERTING "string" ⎧BEFORE⎫ ⎧ALL     ⎫ [WHEN condition]] ...
                        ⎩AFTER ⎭ ⎨n       ⎬
                                 ⎩"string"⎭

    ⎧:⎫
    ⎩ ⎭
```

output-form-1 is:

```
⎧[n] NOTES                    ⎫
⎪[n] DESCRIPTIONS             ⎪
⎪FILE-NAME-PREFIX             ⎪
⎨LINKS FOLLOWING ⎧KEY ⎫       ⎬
⎪                ⎩DATA⎭       ⎪
⎪KNOWN-AS                     ⎪
⎩                             ⎭
```

output-form-2 is:

```
⎧NOTES           ⎫
⎪DESCRIPTIONS    ⎪
⎨FILE-NAME-PREFIX⎬
⎪KNOWN-AS        ⎪
⎩ALIAS           ⎭
```

condition is:

```
⎧ALL     ⎫ ⎧EQ⎫ "string"
⎨ANY     ⎬ ⎨= ⎬
⎩[m] (p) ⎭ ⎩NE⎭
```